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Figure 1 consists of 11 sub-diagrams, labeled 1 through 11, showing the step-by-step construction of a minimum spanning tree (MST) on a graph with 6 nodes and 10 edges. The edges are labeled with numbers 1 through 10. The process involves selecting edges that do not create a cycle or result in a vertex with a degree greater than 2. The final MST is shown in diagram 11, consisting of edges 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.